

Appln. No.: 10/631,071
Response dated Feb. 20, 2008
Reply to Office action of Aug. 20, 2007

Amendments to the Specification:

Please replace the paragraph at page 15, line 28 to page 16, line 3 of the specification with the following paragraph:

Communication between terminals and the host computer is accomplished by using the resulting RF Network. To communicate with the host computer, an RF terminal sends a data packet in response to a poll from the bridge closest to the host computer. Typically, the RF terminal is attached to the bridge closest to the host computer. However, RF terminals are constantly listening for HELLO and polling messages from other bridges and may attach to, and then communicate with, a bridge in the table of bridges that is closer to the particular RF terminal. Terminals may cache the addresses of neighbors in a direct route table. The direct routing table in a node is built by listening to traffic directed to other nodes. Any node may select a new path to the root whenever a better path is found. All else being equal, a node on a radio channel should always choose, as its parent, the node with the best signal strength. Rapidly moving terminals can cache a short list of alternative parents.